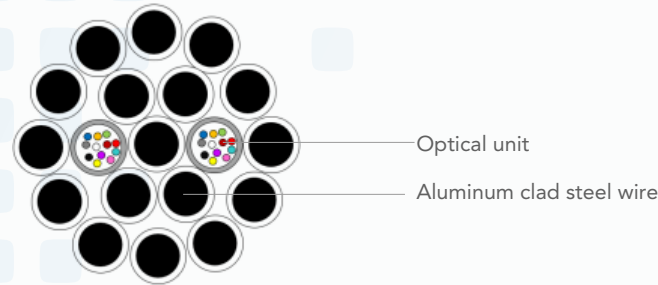




OPGW HX-Core 48F G652D Al-clad108 OD559



Dimensions and Properties

Structure	Position	Type of component	No. of component	Component diameter
	Fiber		G652D	48
Center		20.3% Al-clad steel wire	1	2,90 mm
1 st Outer Layer		20.3% Al-clad steel wire	4	2,80 mm
		Stainless steel tube	2	2,70 mm
	2 nd Outer Layer	40% Al-clad steel wire	12	2,85 mm

Technical Data	Compliant with IEC, IEEE standards				
	Inner layer greased				
	Stranding direction of outer layer is left hand(S-stranding)				
	Cable Diameter	14.20	mm	0.559	in
	Cable Weight	599	kg/km	2,125	lbs/mile
	Total supporting Cross Sectional area	107,8	mm ²	0,17	in ²
	Cross sectional area of Al-clad steel wire	107,8	mm ²	0,17	in ²
	Rated Tensile Strength (RTS)	89.2	kN	20.053	lbs
	Modulus of Elasticity (E-Modulus)	124,4	kN/ mm ²	18.043	kpsi
	Thermal Elongation Coefficient	14,6 × 10 ⁻⁶	/°C	8.11 × 10 ⁻⁶	/°F
	Permissible Maximum Working Stress (40% RTS)	331.1	N / mm ²	48.022	psi
	Everyday Stress (EDS) (16%~25% RTS)	132,4 ~ 206,9	N / mm ²	19.203~30.008	psi
	DC Resistance	0.483	Ω/km	0,78	Ω/milla
	Short Time Current (1s, 40°C~200 °C)		9.0		ka
Short Time Current Capacity		81.0		ka ² S	

**It is Time to Redefine
High Quality Network**

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